

## Prominent Scientists Meet Here To Plan New HS Curriculum

A new approach for the teaching of high school science will be sought with the support of a grant of \$303,000 by the National Science Foundation to the Massachusetts Institute of Technology.

With a three-day conference at MIT beginning today, leading scientists and secondary school educators are inaugurating a program which they hope will result in new teaching effectiveness and attracting more young people to the crucial field of science. Representatives of Harvard University, California Institute of Technology, Cornell University, the University of Illinois and Bell Telephone Laboratories are joining with MIT faculty members and secondary school educators in the project.

"The Foundation has long realized the need of teachers of secondary school science for better textbooks, better materials, better instruction techniques," Alan T. Waterman, director of the National Science Foundation, said in Washington today in announcing the grant. "Teachers need up-to-date tools to do a competent teaching job. We believe, however, that we must make a broad attack on the problem, rather than approach it on a bits-and-pieces basis."

New laboratory equipment, films, textbooks and even do-it-yourself laboratory kits for experiments at home are to be considered as possible means of exciting greater enthusiasm for science, especially in high schools where courses in physics and chemistry have begun to languish. But to begin with, the primary consideration is the question of what should be taught, according to Dr. Jerrold R. Zacharias, MIT professor of physics, who is chairman of the steering committee organizing the project. Physics and chemistry are not static subjects and should be taught in a way that will enable students to comprehend exciting new developments, he explained.

Dr. James R. Killian, Jr. said: "It is now becoming recognized that the current fashion of blaming the shortage of scientists on the shortage of competent teachers in the secondary schools is not a wholly adequate explanation."

## Senior Spends Night Drifting In Harbor; Rescued On Sunday

An MIT senior was forced to spend Saturday night on his boat in the Boston harbor because engine trouble developed.

James J. Coles '57 says he went fishing in the harbor Saturday morning at about 11 o'clock. At three in the afternoon, the trouble began—"the motor fell apart." He called a yacht club on a neighboring island, but neither the representative of the yacht club nor the coastguard sighted him until about five o'clock. By this time it was getting dark and a fog was developing, so after drifting around for a while Coles decided to anchor his 15-foot boat near a small island to wait for daybreak. He had no food.

Coles intended to row back after sunrise but he was picked up by the Coastguard Sunday morning at 8:15. He says, "I think everybody is making a lot of fuss over nothing. I've stayed out all night in a boat before."

### STRATTON RECEPTION

Chancellor and Mrs. Stratton have invited all students remaining on campus over the holidays to their home at 100 Memorial Drive on Friday, Dec. 21 from 4 to 6 p.m.



Burton House residents engage in first snowball battle of the year. A few minutes later they joined forces and erected a roadblock across Memorial Drive, a project that was discouraged by snowplows, police, and a Dean.

## MIT Gets Philosophy Prof.; Likes Cambridge Environs

MIT will receive its first full Professor of Philosophy sometime during the next academic year. The appointment of Dr. Huston Smith, now on the faculty at Washington University in St. Louis, Mo., was recently announced by Professor Howard R. Bartlett, head of the Department of Humanities.

Dr. Smith was born and received his elementary school education in China; he was the son of missionary parents. Coming to the United States in 1936, he attended Central College in Fayette, Mo., and in 1940 received an A.B. from that college. He then moved northeast to the University of Chicago from which he received a Ph.D. in 1945; his specialty was the philosophy of religion. Since then he has traveled widely, and his record includes stays at the University of Colorado, University of Denver, and the Cliff School of Theology, also in Denver.

He came to the University of Washington in 1947, and was associate professor of philosophy and comparative religions there. During his years in St. Louis he wrote one book, "The Purposes of Higher Education", a study of the principles that shape the contemporary college curriculum. To help with this work, he received a grant from the Carnegie Corporation which enabled him to take time off from his teaching and scholarly activities.

His academic honors include: Phi Beta Kappa, Omicron Delta Kappa, and Fellow, National Council on Religion in Higher Education.

In a letter to a Washington University publication, Dr. Smith explained several of the motives which prompted him to join the MIT community. He lists two such points: "(1) The extent to which the intellectual life of our nation calls for an unhurried but constant circulation of its teachers from region to region. (2) The way in which the intellectual development of a specific teacher may call at certain points for a change in academic environment."

He then goes on to cite the geographical location of MIT as a major factor in his decision: "... I need the discipline involved in a move to the foremost intellectual center of the nation. There is a movement in Cambridge toward cooperative graduate work between Harvard, Radcliffe, and MIT; and the opportunity to become a part of that picture seems clearly what I need at this point. But I can paraphrase Nathan Pusey when he left Lawrence for Harvard: Had the call come from anywhere but Cambridge, I would have stayed."

Due to various commitments Dr. Smith will not arrive at MIT until sometime in 1958; whether it will be in September or February is yet uncertain. Married in 1943, he is the father of three girls, and next year he plans to take a trip around the world with his family. The itinerary will include several months in India and Japan, where he will spend two months in a Zen Monastery studying the training given to the monks there.



Dr. Huston Smith, MIT's new professor of philosophy, scheduled to arrive here sometime in the next academic year.

## Ugly Eric Is Ugliest; BU Queen His Prize

The winner of the 1956 Ugly Man on Campus Contest was Eric Jorgensen, '60, it was announced at the presentation in building 7 Friday. In the contest APO collected over \$740 for the improvement of the Cambridge Council's Boy Scout camp.

Jorgensen, sponsored by Sigma Phi Epsilon, collected \$347.25, more than any candidate for UMOG had ever collected before. Second was Club Latino's Charly Kotek with \$184.66. Jorgensen won the date with Laura Sugaman, the BU Queen, the Cup, certificate, key, etc. Kotek won a week of Commons meals. In addition, the UMOG cup collected \$10.63.

The money is being used to construct the Ivan J. Geiger memorial campsite at Camp Quinapoxet, near Rindge, N. H. Going at this rate, Rosenthal said, the campsite should be completed soon.

## Tech Deans, Students Tell Bank Robber Tale

The boy who robbed a bank before coming to MIT today awaits the decision of the law. John R. Wagner is now either in Oklahoma City, where the FBI captured him Friday, or in his home city of Chicago. Of the \$19,000 he stole from a bank in Richmond, Illinois on August 28, all but \$4500 is gone, the result of a three month spending spree.

Eighteen year old Wagner was arraigned in Oklahoma City Saturday morning before a U. S. Commissioner. He waived a hearing and was held in \$25,000 bond. The next move is up to the U. S. Attorney. A public trial, which would expose the full story of Wagner's brief tenure as an MIT freshman, is only one of several possibilities.

### Dean Rule's Statement

Much of Wagner's life at the Institute remains secret, but a part of it is revealed in the statements of Administration officials and of students who knew him.

Dean Rule issued this statement Saturday:

The fact that John Robert Wagner, a freshman at MIT, was missing first came to our attention on Tuesday, December 4. We immediately got in touch with his parents, Mr. and Mrs. Albert J. Wagner, 6148 Ravenswood, Chicago. By the following day, December 5, it became apparent that young Wagner had been involved in a serious crime. Fellow students revealed that he had been in possession of a large sum of money, had been spending money with great prodigality and had told a story, difficult at first to believe, that he had robbed a bank in Illinois before he entered school in September.

Immediately after obtaining this information we took up the matter with Cambridge police and the Federal Bureau of Investigation. With great efficiency they initiated the investigation which resulted in the apprehension of Wagner. We have the utmost sympathy for the family of the boy and a feeling of regret that such a brilliant youth should have been so morally irresponsible to have ended the potentialities for a career. Wagner had placed himself in serious jeopardy scholastically before he left school and it is apparent that he could not have remained in good standing much longer.

We are very grateful to Chief of Police Patrick Ready, Captain John J. Granger and Lt. James Murphy of the Cambridge police; Anthony DiNatale, probation officer of the Third District Court; and agents Thomas McEnaney and Guy Bailey of the FBI, for their splendid cooperation in bringing this matter to a rapid conclusion.

### Honor Student

Wagner came to the Institute from Lane Technical High School in Chicago. One of his classmates at Lane recalls that he graduated third in a class of 360, was a member of the National Honor Society, was a Cadet Colonel in the school's ROTC program, and was chairman of the Senior Class Gift Committee.

B. Alden Thresher, Director of Admissions, notes that Wagner's admissions papers offered "no grounds for refusal. He was highly recommended by his school."

Wagner arrived in Cambridge in time for Rush Week, seven days after the robbery. He lived for two weeks in East Campus.

One of his neighbors in East Campus recalled, "He was a perfectly normal fellow, not extremely friendly; he went to few classes."

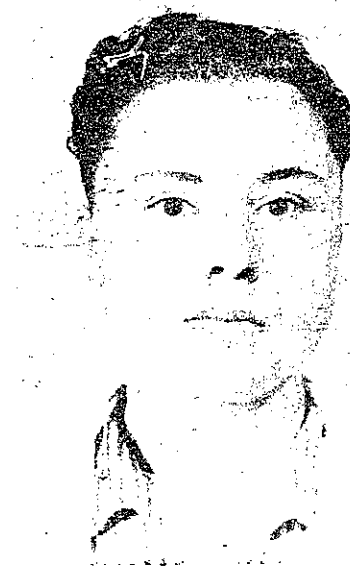
Wagner's advisor, Professor Lockwood remarked, "He had considerable trouble adjusting to MIT. But he was determined, not baffled, and recognized the difficulties."

Wagner soon moved to a three-man room in Baker House, bought a 1956 Oldsmobile, and held several parties in his room.

### A Thousand for a Weekend

A freshman who was Wagner's lab partner stated some of the rumors about his spending: "He once gave a

(Continued on page 4)



John Robert Wagner, former MIT Freshman, now in custody after confessing to a charge of armed robbery.

## Committee For Union Will Be Formed Soon; To Include Stu, Fac

President Killian or Chancellor Julius Stratton will probably appoint a committee to lay plans for the proposed Student Union Building within the next two weeks. The committee will be composed of three students and three faculty members. Faculty representatives will include Professor James Daly, former chairman on the Faculty Committee on Student Environment, and a representative from either the Treasurer's office or Buildings and Power.

The Student Union will be an integral part of the whole West Campus development program which was proposed by the Ryer Committee. As now planned, the building will face Massachusetts Avenue in the "Hennessey" block. This site is now occupied by Tech Drug and Radio Station WGBH, both of which would have to be torn down. It is rumored that Eero Saarinen, famed designer of Kresge Auditorium and the MIT chapel may be the architect for the building, which will, of course, be adjacent to both of these buildings.

At present, the only thing standing in the way of an immediate start on the building is lack of funds. Dean Bowditch is raising money for the project.

## Shaw Play This Fri.

Next Friday and Saturday nights the MIT Dramashop will present its main fall production. This year it was decided to present a play written by George B. Shaw, since this year celebrates his centennial. The play to be given will be Shaw's "Misalliance," a farce in three acts. The play will be directed by Prof. Joseph Everingham. This play marks the fourth big production by the reactivated Dramashop. Tickets are now on sale for \$1.00. The curtain rises at 8:30 in Kresge's Little Theatre.

# The Tech

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## about the town

### Scolly Square

They say you haven't seen Boston until you have seen Scollay Square.

Right off and up to the right a little ways from the base of Longfellow Bridge is one of Boston's numerous old squares. This one, perhaps not quite in keeping with the Boston tradition and maybe a little more picturesque, is Scollay. Scollay isn't unique among cities: every major city has something to compare with it; but Scollay Square is still unique in Boston. Like the honky-tonk districts of such towns as Marseilles and Honolulu it is known to sailors all over the world.

In the last several years the spirit of Scollay has been somewhat dampened, but the smoke is still there even if the fire isn't apparent, as a casual stroll Scollayway will reveal. The old Howard, the biggest and evidently the most daring of the burlesque houses has been closed down for two years, but one of the lesser establishments still operates. The Watch and Ward Society, as the observer can establish by taking the initiative or by inquiring of one of his enlightened friends, has restricted the burlesque activities to a degree.

The winter isn't the best time for an acquaintance stroll through Scollay. A walk past in the heat of a summer night will reveal more. Peering into the dark doorways at such a time you might be lucky enough to catch a glimpse of some tassel dancer, a little past her prime, elevated up on some bar. But about this time of the year, when the doors have all closed against the cold winter air you might walk right by the place without suspecting. The slot machines in the penny arcades are of course apparent, but their atmosphere is also changed during the daytime. Scollay sleeps in the daytime and only really comes to wake at night.

A point of interest when you are over that way, in the day time is the Custom House. Its tower dominates the water's edge and everything in that vicinity. In times gone by the bowsprits on the sailing ships almost reached its steps, but the water has been pushed back by an expanding city. Towering 498 feet above the street, the Custom House rises from a base that once knew the presence of Nathaniel Hawthorne. From the very top of the tower a person can get one of the best views of greater Boston possible. From the top it is possible to see the impressive forms of MIT off in the distance on the banks of the Charles. There's no charge to go up, but you have to get there before five in the afternoon.

—Don Wigert

## reviews

Wednesday, December 5, 1956, Kresge Auditorium, Boston Symphony Orchestra. Symphony K297 "Paris"—Mozart; "Card Game"—ballet in three acts—Stravinsky; Symphony No. 6 "Pastoral"—Beethoven.

Last Wednesday in Kresge Auditorium, the Boston Symphony Orchestra, under the direction of Dr. Charles Munch, presented a program including the works of Mozart, Stravinsky, and Beethoven. Playing to a capacity audience, Dr. Munch demonstrated his ability to "cope with Kresge" in a magnificent manner. Dr. Munch has learned from past experience, evidently, that one must be very careful in the placing of certain instrument groups on the Kresge stage—namely, the tympani and drums and this was the first Boston Symphony Orchestra concert in Kresge Auditorium in which the tympani stood out and was well defined. Also, the strings played together, and I don't mean this facetiously but one must exercise certain extra precautions in a hall, so lacking in reverberation.

The only thing marring the performance was the fact that there were entirely too many late comers—not just the five minute variety, but rather the twenty and thirty minute ones. Perhaps these Cambridge pseudo-sophisticates think that the degree of fashionability goes up as the elapsed time from the start of the performance increases. This practice is extremely annoying anywhere but it is especially obnoxious in Kresge Auditorium where the theatre is so intimate. All in all the concert was well received and an enjoyable time was had by all.

—Alan Langford

## calendar of events

### WEDNESDAY, DECEMBER 12

Organ Recital. Mr. David C. Johnson, MIT organist, assisted by Mr. Arthur Loeb, recorder.

CHAPEL, 12:10-12:40 p.m.  
Freshman Swimming Team. Meet with Dean Academy.

ALUMNI POOL, 2:30 p.m.  
Operations Research. Seminar: "Waiting Lines—Part II: Servicing and Arrival Distributions." Dr. Herbert P. Galliher, of the Operations Research Project.

ROOM 2-239, 3:00 p.m.  
Electrical Engineering Department. Colloquium: "Some Engineering Problems in Inertial Navigation." Mr. Walter R. Evans, of North American Aviation, Inc. Refreshments will be served in Room 10-280 at 4:30 p.m.

ROOM 10-275, 3:30 p.m.  
Metallurgy Department. The Robert S. Williams Lectures—II: "Thermodynamics in Ferrous Metallurgy: Phenomena Related to Thermodynamics." Dr. Lawrence S. Darken, United States Steel Corporation.  
ROOM 6-120, 4:00 p.m.  
Technology Catholic Club. Open meeting. Talk, illustrated by slides, on "Operation Deepfreeze." Rev. Daniel Linehan, S.J., seismologist on Arctic and Antarctic explorations.

ROOM 2-190, 5:00 p.m.  
Technology Community Association. Skeptics' Seminar: "Ethical Problems in Business." Professor W. Van Alan Clark, Jr., of the School of Industrial Management.

ROOM 10-250, 5:00 p.m.  
Freshman Basketball Team. Game with Huntington High School.  
ROCKWELL CAGE, 6:15 p.m.  
Inter-Varsity Christian Fellowship. Talk on "Practical Methods of Bible Study." Mr. Waylon Moore, former member of Billy Graham team.

ROOM 3-070, 7:00 p.m.  
Varsity Swimming Team. Meet with Wesleyan University.

ALUMNI POOL, 7:00 p.m.  
Order of DeMolay—MIT Chapter. Business meeting.

HAYDEN LIBRARY LOUNGE, 7:30 p.m.  
Varsity Hockey Team. Game with University of New Hampshire.

SKATING RINK, 7:30 p.m.  
Varsity Basketball Team. Game with University of New Hampshire.

### THURSDAY, DECEMBER 13

American Society of Civil Engineers—MIT Chapter. Lecture with slides: "The Engineer in Railroad Engineering." Mr. John H. Burdakin, Assistant District Engineer, Pennsylvania Railroad. Refreshments will be served in Room 1-236 at 5:00 p.m.

ROOM 1-390, 4:00 p.m.  
Physics Department. Colloquium: "Infrared Cyclotron Resonance and Magnetoband Effects in Semiconductors." Dr. Benjamin Lax, Lincoln Laboratory.

ROOM 6-120, 4:00 p.m.  
Mathematics Department. Harvard-MIT Joint Mathematics Colloquium: "Regularity Properties of Solutions of Partial Differential Equations." Dr. Lars Hormander, Institute of Mathematical Sciences, New York University. Tea will be served at 4:00 p.m.

ROOM 18, 2 DIVINITY AVE., HARVARD, 4:30 p.m.  
A.I.E.E.-I.R.E.—Student Branch. Lecture: "A Short Tour through a Digital Computer." Mr. J. L. Hill, of Remington Rand Univac.

ROOM 4-270, 5 p.m.  
Biology Department-Biochemistry Division. Harvard-MIT Biochemistry Colloquium: "The Interconversion of Purine Nucleotides in the Biosynthesis of Guanine, Adenine, and Histidine." Dr. Boris Magasanik, Harvard Medical School. Coffee will be served at 4:30 p.m.

MALLINCKRODT MB-29, HARVARD, 5:00 p.m.  
Lecture Series Committee. Film: "The Yearling." Admission: 30 cents.

KRESGE AUDITORIUM, 5:30, 7:30 and 9:45 p.m.

### FRIDAY, DECEMBER 14

Association of Women Students. Annual Christmas Open House.

ROOM 3-306, 4:00-6:00 p.m.  
Chemistry Department. Lecture: "Analytical Radiochemistry." Dr. Harmon L. Finston, of Brookhaven National Laboratory.

ROOM 4-231, 4:00 p.m.  
Freshman Hockey Team. Game with Browne and Nichols School.

SKATING RINK, 4:30 p.m.  
Junior Varsity Basketball Team. Game with Newton Junior College.

ROCKWELL CAGE, 7:30 p.m.  
Varsity Wrestling Team. Meet with University of Connecticut.

ROCKWELL CAGE, 7:45 p.m.  
MIT Concert Band. Concert, with John Corley conducting. Program: Symphonic Overture for Band by Gordon Jacob; Royce Hall Suite by Healy Willan; "The Power of Rome and the Christian Heart" by Percy Grainger; Mexican Symphony ("La Fiesta Mexicana") by Owen Reed; Adeste Fideles, arranged for band by Morton Gould. Admission is free.

KRESGE AUDITORIUM, 8:30 p.m.

### SATURDAY, DECEMBER 15

Freshman Hockey Team. Game with St. Sebastian's Country Day School.

SKATING RINK, 2:00 p.m.  
Freshman Wrestling Team. Meet with Scituate High School.

ROCKWELL CAGE, 2:00 p.m.  
Varsity Swimming Team. Meet with Rensselaer Polytechnic Institute.

ALUMNI POOL, 2:00 p.m.  
Freshman Basketball Team. Game with Phillips Exeter Academy.

ROCKWELL CAGE, 6:15 p.m.  
Varsity Basketball Team. Game with Springfield College.

ROCKWELL CAGE, 8:15 p.m.

### CALENDAR OF EVENTS

Since many of the Institute's activities are suspended during the Christmas vacation, the Calendar of Events for the weeks of December 19 and 26 will not be published. Material for the Calendar of January 2-9, 1957, is due in the editor's office, Room 3-339, not later than noon on Wednesday, Dec. 26.

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### SOME MORE

### LITTLE STORIES WITH BIG MORALS

#### First Little Story

Once upon a time there was an Indian brave named Running Bear who had a squaw named Giggling Water. Giggling Water was sort of a mess, but she sure could make beaded moccasins. Every day she whipped up a brand-new pair of beaded moccasins for Running Bear which were so gorgeous that all the Indian maids on the reservation grew giddy with admiration.

Well sir, Giggling Water got livid about all the girls making goo-goo eyes at Running Bear, and one night she told him so. Then he got livid too, and they had a terrible rumble, and he slapped her on the wrist, and she started crying like crazy and moved out of the wigwam and went home to her mother and never came back.

"Good riddance!" said Running Bear, but he soon found out how wrong he was, for the Indian maids were not really interested in him, only in his moccasins, and when he stopped showing up with a new pair every day, they quickly gave him the yo-heave-ho, and today he is a broken man, sitting all alone in his tepee and muttering ancient Ute curses.

MORAL: Don't fight the hand that beads you.



the students did not take that lying down

#### Second Little Story

Once upon a time there was a sweet old gentleman named Nathan who ran a tobacco counter at a large American university. All of the students loved him dearly, and they used to come over whenever they could to buy Philip Morris Cigarettes and chat with Nathan, both of which were highly satisfactory pursuits. The Philip Morris were highly satisfactory because they are full of natural goodness that is friendly and humane and soothing and no small consolation in this strife-ridden world of ours. Nathan, like Philip Morris, was also full of natural goodness that was friendly and humane and all like that.

Well sir, the students smoked Philip Morris and yocked with Nathan, and everything was lovely. Then one day the university decided to fire Nathan and put in a cigarette vending machine instead.

Well sir, the students did not take that lying down, you may be sure! They organized a monster rally and went over to prexy's house and made fiery speeches about good old Nathan and how they loved him.

Well sir, prexy was no fool, and when he saw how heartbroken the students would be if Nathan went, he decided that the wisest course was to keep Nathan and cancel the cigarette vending machine. This he did, and they all lived happily ever after.

MORAL: Better Nate than lever.

#### Third Little Story

Once there was a lion, which was a very quiet lion. In fact, the only time it ever made a sound was when it had a toothache.

MORAL: When it pains, it roars.

© Max Shulman, 1956

Philip Morris, sponsor of this column, would like to point a moral too: Nothing ventured, nothing gained. Try a pack of Philip Morris, and win yourself a heap of pleasure!



## Bryson Shatters Diving Record As Bowdoin Edges Swimmers

Dave Bryson '57 broke a six year college record in the dive last Saturday with an outstanding 92.8 total. Dave, 4th place winner in last year's New England Intercollegiate Swimming Championships, topped his best previous tally by 15 points. This tremendous improvement is due to the coaching of Charlie Batterman and the large amount of time Dave has put in on the board this fall. His sights are set on the NEISA Championship and even further to the East-erns.

Tech lost an extremely close meet by a score of 44-42. The Natators faced the identical Bowdoin team that defeated them last year, 56-28. The MIT team has made improvements in every event and has almost doubled their strength by added depth. This season 15 men scored points for Tech, while a year ago only 9 men tallied.

Ed Getchall '59, competing in his first varsity race, won the 100 yard butterfly in 1:08.8, which is only 1.6 seconds over the college record. Murray Kohlman '58, high scorer for Tech with 6 points, took second place in both the 220 and 440 yard freestyles, but improved his time over a year ago by 4 seconds in the 220 and 8 in the 440. Bob Brooker, a sophomore, ably backed Murray by taking two third places. Bob Jantzen '57, the team's high scorer in 1955 was touched out by a tenth of a second in the 50 yard freestyle in 24.9 seconds.

Al Johnson '58 took a second, 4 seconds under last year's back stroke time, losing to Bob Plourde, NEISA Champion and 5th place winner in the Nationals. Neil Devine '59, vastly improved over a year ago, took third place. MIT's depth is ably demonstrated by the improvement in the 400 yard freestyle relay won by Tech in 3:50.4 seconds. Last year's team failed to break 3:55 all year long. Jack Kossler, particularly is a man to watch as he turned in 56.8 seconds.

**BOWDOIN 44-MIT 42**

440 yd. relay: 1. Bowdoin (Plourde, White, Collier, Carpenter); Time: 4:24.2.  
220 yd. freestyle: 1. Howard; 2. Kohlman, MIT; 3. Brooker, MIT; Time: 2:21.5.  
50 yd. freestyle: 1. Curtis; 2. Jantzen, MIT; 3. Fitzgerald, MIT; Time: 24.8.  
100 yd. butterfly: 1. Getchall, MIT; 2. White, B.; 3. Mallett, MIT; Time: 1:08.8.  
Diving: 1. Bryson, MIT; 2. Cablander, MIT; 3. Wooley, B.; Points: 92.8; (new MIT record).  
100 yd. freestyle: 1. Collier, B.; 2. Curtis, B.; 3. Duane, MIT; Time: 55.8.  
200 yd. backstroke: 1. Plourde, B.; 2. Johnson, MIT; 3. Devine, MIT; Time: 2:19.9.  
440 yd. freestyle: 1. Howard, B.; 2. Kohlman, MIT; 3. Brooker, MIT; Time: 5:16.7.  
200 yd. breaststroke: 1. White, B.; 2. Jacobson, MIT; 3. Colter, MIT; Time: 2:36.7.  
400 yd. freestyle relay: 1. MIT (Jantzen, Kossler, Duane, Veeck); Time: 3:50.5.

**Today**  
JV Basketball vs. Harvard 7:30

**Tomorrow**  
Varsity Basketball vs. U.N.H. (Here) 8:15  
Frosh Basketball vs. Huntington (Here) 6:15  
Varsity Hockey vs. U.N.H. (Here) 7:30  
Varsity Swimming vs. Wesleyan (Here) 7:00  
Frosh Swimming vs. Dean Academy (Here) 7:00  
Only Home Saturday Night Basketball Game Next Saturday vs. Springfield.

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## Amherst Quintet Tops Tech In Overtime After Last Second Set Prevents Upset

The longest four seconds in history was just enough for the Amherst basketball team to hand a fighting MIT quintet a heartbreaking 67-65 overtime defeat at Amherst last Saturday night. With four seconds remaining in regular play, soph Bob Polutchko sank a fantastic jump shot to put MIT ahead 63-61, but in the time remaining, Amherst was able to put the ball in play, work it to half court, fumble it, recover, and have their captain, Dick Anderson, sink a half court-one handed push shot just at the buzzer. What actually happened—whether the clock was stopped or the horn failed to go off, can't be told. With this climatic finish the overtime was mere routine as the taller Jeff team took a 2 point lead, Tech tied it, but Amherst went ahead by one on a foul shot, and controlled the rebound on the second shot until there were just 6 seconds remaining. Here they sank another foul, but surrendered the rebound on the second shot to Polutchko who passed off to Paul Repetto whose long set missed by a few inches from banking in off the backboard.

Regardless of the final outcome, MIT put on a fantastic show as they overcame a 9 point Amherst lead in the last 8 minutes of play and refused to give up rebounds to the taller Amherst quintet. 6-2 Bob Polutchko played a great game, pouring in 24 points to lead Tech's scoring, and consistently out rebounding Amherst's 6-7 center and high scoring 6-5 forward, Bill Warren. Warren, who had dunked in 20 points in the first half was held to ten in the second half and overtime by Walt Humann's beautiful defensive work.

Warren and Polutchko carried their respective teams through the early minutes of play, with Bob getting 12 of Tech's first 16 points and Warren a similar number of Amherst's first 20. The Jeffs led by 3 or 5 down to the last two minutes of play when Warren sank 2 layups, and got a rebound another and a 38-29 half time lead.

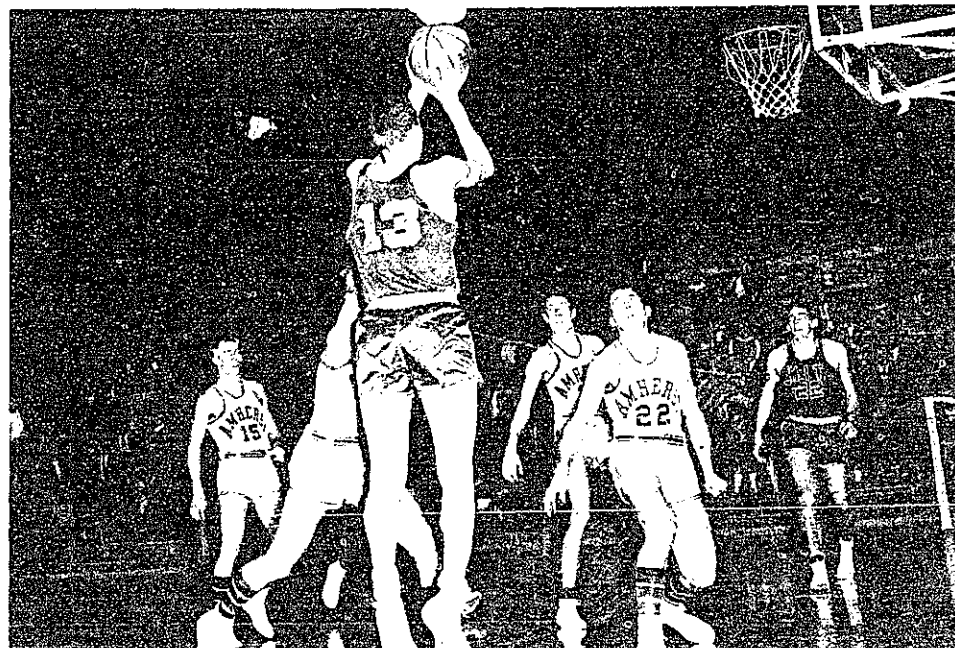
Polutchko took the opening tap in the second half and worked himself clear for the first basket. Paul Larson sank a foul and a one hander as Tech cut the lead to 4. Amherst opened it quickly to 51-42 despite two foul shots by Humann and a hook by Jordan. Tech suddenly got hot with Polutchko sinking 2 fouls, Cooper likewise, Jordan adding a set, and Cooper two more fouls to cut the lead to 1. The Jeffs opened it again to 5, but Humann got a three pointer and Cooper a driving layup, and following another Amherst basket, Polutchko cut it back to 1 with 2 fouls, Jordan sank a 1 hander and Cooper a layup to put Tech ahead 61-58. Following an Amherst time out, the Jeffs put their height to action, tying it at 61-61 with a jump shot and a foul, whereupon Polutchko sank his "game winning" set only to be denied by Amherst's late basket.

**MIT**

	F.G.	F.	T.P.
Jordan, f.	4	2	10
Muraskin, f.	1	0	2
Rachofsky	1	0	2
Repetto	0	0	0
Polutchko, c.	8	8	24
Cooper, g.	4	4	12
McGinty	1	2	4
Larson, g.	1	1	3
Humann	2	4	8
Totals	22	21	65

**AMHERST**

	F.G.	F.	T.P.
Anderson, f.	5	0	10
Mann	3	0	6
Warren, f.	14	2	30
Lindeman, c.	2	4	8
Jenkins	1	0	2
Hastings, g.	1	2	4
Van Arnam	0	0	0
Knight, g.	2	3	7
Totals	28	11	67



MIT's Bob Polutchko (13) about to sink jump shot that put MIT ahead 63-61 in last seconds of play against Amherst. A fantastic set shot by the Jeff's Captain tied the score 4 seconds later, and Amherst went on to win 67-65.

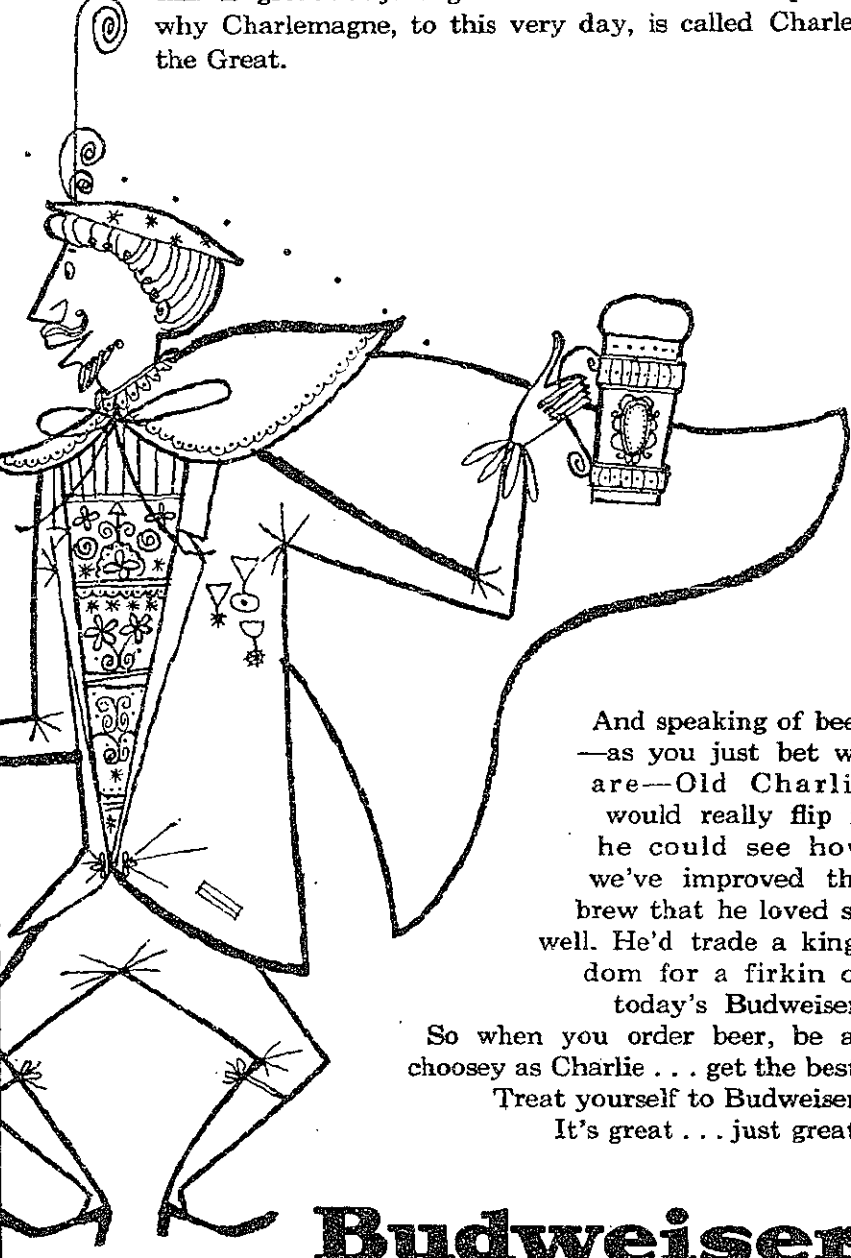
## All About Charlemagne

OR  
Call Me Charlie

Once there was a muscle that walked like a man. He was called Charlemagne and he was King of the Franks. (No, his daddy didn't own a slaughter-house in Chicago. His business was sticking Saxons—not pigs.) It is said that His Majesty stuck his sword into 4,500 Saxons in

one day, and that he is the real originator of *Shish kebab*, although we prefer to keep an open mind about this. Now when Old Charlie wasn't cutting it up on a battlefield he liked to live it up in a castle, his favorite chow being a haunch of venison washed down with a firkin of good hearty brew. And right here is where the old boy gets his name in lights as far as we're concerned. He introduced his beer to all the barbarians lucky enough to be alive when the donnybrook was over. In fact, history has it that he took his brewery with him

(lock, stock, and firkin) when he sallied forth to lay about him with mace and broadsword. This explains how a conquered count happened to be sampling a bucket of the royal suds one day and said, "Charlie, this is great... just great!" And this also explains why Charlemagne, to this very day, is called Charles the Great.



And speaking of beer—as you just bet we are—Old Charlie would really flip if he could see how we've improved the brew that he loved so well. He'd trade a kingdom for a firkin of today's Budweiser. So when you order beer, be as choosy as Charlie... get the best. Treat yourself to Budweiser. It's great... just great.

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## Squash Team Loses To Dartmouth 7-2

The Dartmouth squash team had two assets—young Dick Hoehn and fine depth. Juan Hermosilla '57 took Hoehn into camp. Big Green depth was too much for Tech and the Indians spoiled coach Ed Crocker's debut, 7-2.

Hermosilla took two games to warm up as Hoehn, sophomore son of the Dartmouth coach, used steady play and good court speed to wrap up a 2-0 lead. Hermosilla came back to take the third and, behind at 8-10, reeled off six straight points to knot the match. Hoehn fought to hold on; but the wily Guatemalan had too much speed, savvy and backhand and, running off five points in a row, took the final game and match at 15-11. Howard Cohen '57 breezed to a 3-0 win at number two—having trouble only in a deuced third game. Tom Thomas '57 lost a 3-2 match; and Bill Bateman '57 saw his rally fall short as he bowed 3-2. Dartmouth, with its consistently strong line-up, took 3-0 wins in the five lower matches.

### WAGNER

(Continued from page 1)

fellow \$1000 for a weekend. Another time he bought a \$300 clarinet for another fellow.

Wagner himself told police in Oklahoma City that the robbery was to pay for his college education. But an Institute spokesman believes that all of the money it received from him came from his parents.

Wagner left school November 27 with about \$12,000 and drove cross-country. He was reported missing to the Dean on December 4 by some of his friends.

## Cope, Course 5 Head, Named ACS Director



Dr. Arthur C. Cope

Dr. Arthur C. Cope, head of the MIT Chemistry department, was re-elected Regional Director for New England and Canada by the American Chemical Society yesterday. Results of the nationwide mail balloting of the Society's 78,000 members were announced in yesterday's Chemical and Engineering News, official publication of the Society.

Dr. Cope received his B. S. from Butler University in 1929 and his Ph.D. from the University of Wisconsin in 1932. He was associate professor of chemistry at Bryn Mawr from 1934 to 1941, and at Columbia University from 1941 to 1944, when he went to MIT as head of the department of chemistry.

The American Chemical Society is the world's largest professional association of scientists.

## Engineers Fall To Jumbo Grapplers

The varsity grapplers lost their second meet of the season last Saturday when they were edged out by Tufts' squad, 14-10.

Bob Boese was injured in the first match, in the 123 pound class and because of this injury had to default his match. Tufts in turn defaulted to the Cardinal and Grey in the 130 lb. contest, and Jim Simmonds beat his blind opponent to grab a 137 lb. victory. Harris Hyman (147) pinned Tufts' Covart for the next and last Tech win.

The matmen didn't fare as well in the 157 lb. class as Mike Flint was beaten. Mike Brenner fell to his Tufts' opponent, Higgs, in the 167 contest, and Captain Tony Vertin lost a close 3-2 decision to Olivera from Tufts in the 177 pound spot. Tech's Bob Kohn was pinned in the heavy-weight division, giving the Tufts squad the points they needed to top the Beavers.

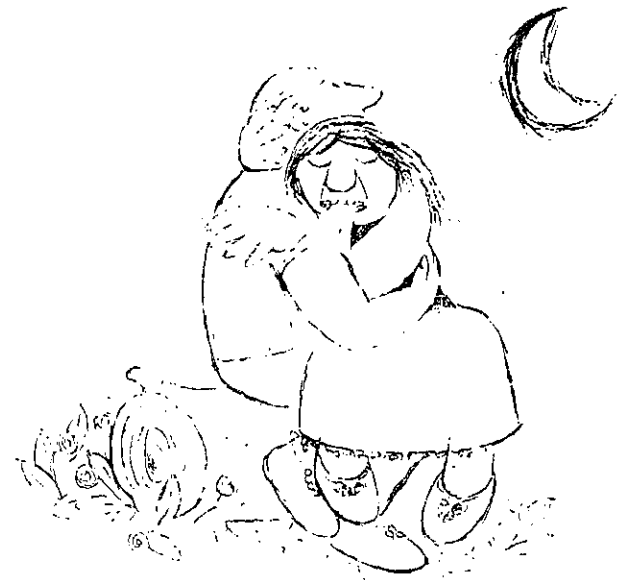
Tech's frosh matmen fared somewhat better as they tied the yearling Jumbos by a 14-14 score.

### IDC

The IDC is presenting a dance on Saturday, Dec. 15, in Morss Hall at 8 p.m.

### ISA DANCE

The International Student Association annual Holiday Dance will be at Walker Memorial from 9 to 1 on Friday, Dec. 14. Admission will be by options, which will be available at TCA for \$1.65 for non-members, or \$1.10 for members and foreign students.



## EDIBLE SPORT SHIRTS?

Among the sort of sport shirts that Van Heusen refuses to make are the following:

*Sport shirts that light up in the dark:* These are the kind that flash messages, like "Hey, baby, you're a honey," or "Pass the ashtray, please." Useful for parties, faculty teas and cotillion balls. But they tend to commercialize the graceful art of conversation.

*Sport shirts with road maps on them:* Too dangerous. Say you're driving from campus to the big city. You don't know whether to turn left or right at the turnpike, so you look down at your shirt to check. Crash!

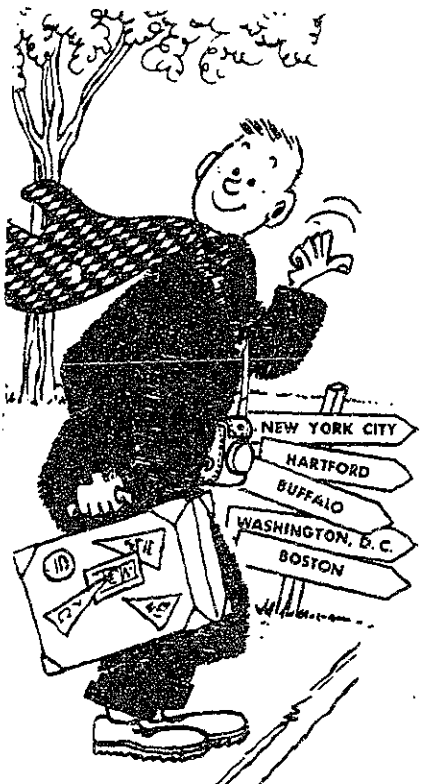
*Edible sport shirts:* Too misleading. You're sitting under a shady tree with your favorite co-ed. She rests her head gently

on your chest. You think she's fond of you. Suddenly you hear "munch, munch," and there goes your delicious shirt! It was *it* she craved, not you!

But the sport shirts that Van Heusen *does* make are fascinating. Dashing checks, interesting plaids, splendid stripes, solids in some very unusual colors. Their cut is free and comfortable... their style is original and flattering. Thumb through the collection that your campus haberdasher proudly displays.

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### Basketball Play Nears Mid Point

Approaching the halfway mark in the intramural basketball play, twelve teams remain undefeated in the seven leagues. Leagues five and seven remain the only ones with individual leaders, as the rest have ties for the top position.

In play during the last week Pi Lambda Phi whipped Baker C 45-25, Meteorology took a forfeit from the same club, while the Dekes trounced Pi Lam 40-24, as Staton dropped in 16 for the winners. In other league 1 action the Commuter Association

edged Burton A 45-40. Prager hit with 15 for the commuters while Kornbluth scored 18 for the losers.

Grad House A whipped Baker A while Phi Kappa eked out a 26-25 decision over Delta Psi, in league II action. SAE won the remaining contest on a forfeit from Delta Psi.

Fandell scored 14 points to spearhead ATO to a 51-42 victory over Sammy, as Theta Chi A beat Westgate 35-24. Rounding out league three competition was Burton D's 47-37 victory over 5:15 Club.

The 10-250 All-Stars finally found the winning combo in defeating Burton C 55-42. Sigma Chi racked Baker B 50-31, while Phi Delt, led by King's 12, squeezed Phi Kappa Sigma 28-27.

League 5 saw Grad House B whip Kappa Sig 48-17, and Kappa Sig turn around and trounce Phi Beta Epsilon 54-17, DU took the Fijis 38-31, and Burton E topped Aero 34-21. East Campus and Beta Theta Pi each won two games in league six contests, while the Deltas, Student House and Theta Delta Chi were victorious in league seven.

The undefeated teams at the present are: League I, Commuters Assoc., Meteorology; League II, Grad House A, SAE; League III, Theta Chi A, ATO; League IV, Sigma Chi, Phi Delta Theta; League V, DU; League VI, Beta, Theta Pi, East Campus; League VII, Lambda Chi Alpha.



The ice flies as MIT attack man goes down in attempt to bat puck past Northeastern defense

### Northeastern Tops Pucksters 15-4

A sophomore laden Northeastern hockey team scored eight goals in a wild third period to rout the MIT sextet 15-4 last Friday night. Lack of depth, slushy ice conditions, and some costly penalties added up to hand the Tech pucksters their second straight defeat of the season. The Huskies completely outskated and outplayed MIT the entire game, with defensive lapses especially costly to the Engineers.

NE took a 3-0 lead in the first period before Don Domey rebounded a long shot off Tom Buffett's stick, but the Huskies opened it to 4-1 by the buzzer and to 5-1 while a man up

early in the second period. For a while MIT looked like they might stay in the game as Bev Goodison took a beautiful pass from Fred Culick to score, and Domey added his second goal on a pass from Hank Durivage to make it 5-3. NE got two more, however, in the second part of the period and added four in the third before Goodison batted in a short one at 12:23 to make it 11-4. The rest of NE's goals came while MIT had either 1 or 2 men out on penalties. Two sophs, Al White and Mark Wenham scored three goals apiece for NE while still another soph, Don Salvucci got 2 goals and 5 assists.

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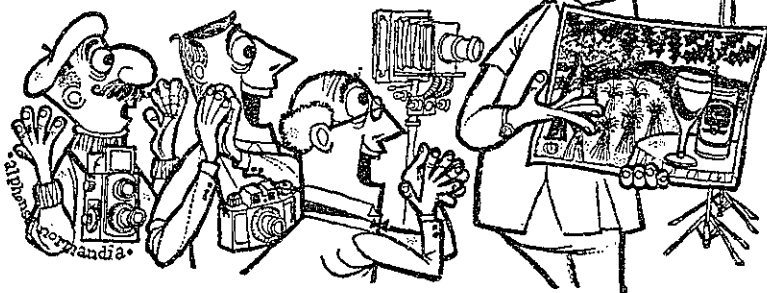
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## Rifle Team Triumphs By 68 At Dartmouth To Take 5th Straight

MIT's rifle team rolled to its fifth straight win at Dartmouth last Saturday as they topped the Big Green by a 1406-1338 margin. The team is well on its way to another successful season and after one match before finals, faces its toughest tests on a mid-term trip when they will engage Coast Guard, the Naval Academy, Army, and St. Johns.

In recording Tech's only win over the past weekend, the gunners were led by Joseph Jennings with a 286 score and Bob Borgwandt who fired 284. Bob Voight was third high with a 281 followed by Louis Nelson who fired a 278 and Roy Thorpe with a 277. The other five Tech firers were close behind with nine men topping 270.

### SCIENCE CONFERENCE

(Continued from page 1)

planation. The shortage of competent science teachers has a major part to play in our shortages, but there is the other factor that the teaching materials available to the teachers have not kept pace with the rapid advances in science and the standards it now requires.

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Dr. Killian, Dr. Zacharias and other members of the steering committee, known as the Physical Science Study Committee, have been holding weekly conferences since last summer to explore the possibilities of the project.

The group includes Dr. Vannevar Bush, retired president of Carnegie Institution, who is now at MIT, and two Nobel prize winners, Dr. I. I. Rabi of Columbia University who is a visiting professor at MIT this year, and Dr. Edward Purcell, professor of physics at Harvard.

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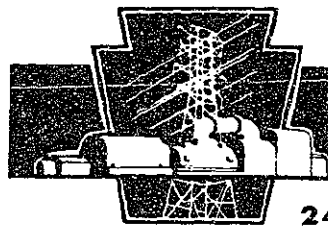
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